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KARI et al.(10) **Pub. No.: US 2014/0247004 A1**(43) **Pub. Date: Sep. 4, 2014**(54) **METHOD, APPARATUS, AND COMPUTER
PROGRAM PRODUCT FOR FOREIGN
OBJECT DETECTION PARAMETER AND
CHARGING DATA COMMUNICATION WITH
WIRELESS CHARGING CAPABLE BATTERY
PACK****Publication Classification**(51) **Int. Cl.**
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USPC **320/106; 320/134; 320/108; 320/137**(71) Applicant: **NOKIA CORPORATION**, Espoo (FI)(72) Inventors: **Juhani Valdemar KARI**, Lieto (FI);
Petri Martti VUORI, Salo (FI)(73) Assignee: **Nokia Corporation**, Espoo (FI)(21) Appl. No.: **13/782,351**(22) Filed: **Mar. 1, 2013**(57) **ABSTRACT**

Method, apparatus, and computer program product example embodiments provide device-to-device charging. According to an example embodiment of the invention, a method comprises accessing, by an apparatus, parameters relating to power loss in wirelessly charging a rechargeable battery, when the battery is located in a device to be powered by the rechargeable battery; and transmitting, by the apparatus, to a wireless charger, the accessed parameters relating to power loss when the apparatus is associated with the device to be powered by the rechargeable battery.

